



PCT10

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/031,088A

DATE: 07/17/2002

TIME: 09:08:52

Input Set : A:\W142491.txt

Output Set: N:\CRF3\07172002\J031088A.raw

W--> 3 <110> APPLICANT: Howard A. Fields

4 <110> APPLICANT: Yury E. Khudyakov

6 <120> TITLE OF INVENTION: Synthetic Peptides Immunoreactive With Hepatitis A

7 Virus Antibodies

9 <130> FILE REFERENCE: 14114.0342P1

11 <140> CURRENT APPLICATION NUMBER: US/10/031,088A

12 <141> CURRENT FILING DATE: 2002-01-14

14 <150> PRIOR APPLICATION NUMBER: PCT/US00/19267

15 <151> PRIOR FILING DATE: 2000-07-14

17 <150> PRIOR APPLICATION NUMBER: 60/144,412

18 <151> PRIOR FILING DATE: 1999-07-15

20 <160> NUMBER OF SEQ ID NOS: 94

22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

24 <210> SEQ ID NO: 1

25 <211> LENGTH: 21

26 <212> TYPE: PRT

27 <213> ORGANISM: Artificial Sequence

29 <220> FEATURE:

30 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV

31 VP2 and VP4 Peptides

33 <400> SEQUENCE: 1

34 Gly	Leu	Asp	His	Ile	Leu	Ser	Leu	Ala	Asp	Ile	Glu	Glu	Glu	Gln	Met
35 1				5				10						15	

37 Ile Gln Ser Val Gln

38 20

40 <210> SEQ ID NO: 2

41 <211> LENGTH: 21

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45 <220> FEATURE:

46 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV

47 VP2 and VP4 Peptides

49 <400> SEQUENCE: 2

50 Asp	Arg	Thr	Ala	Val	Thr	Gly	Ala	Ser	Tyr	Phe	Thr	Ser	Val	Asp	Gln
51 1				5				10						15	

53 Ser Ser Val His Gln

54 20

56 <210> SEQ ID NO: 3

57 <211> LENGTH: 21

58 <212> TYPE: PRT

59 <213> ORGANISM: Artificial Sequence

62 <220> FEATURE:

63 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV

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64      VP2 and VP4 Peptides
66 <400> SEQUENCE: 3
67 Glu Val Gly Ser His Gln Val Glu Pro Leu Arg Thr Ser Val Asp Lys
68   1           5           10           15
70 Pro Gly Ser Lys Gln
71           20
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 21
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
81      VP2 and VP4 Peptides
83 <400> SEQUENCE: 4
84 Glu Pro Leu Arg Thr Ser Val Asp Lys Pro Gly Ser Lys Lys Thr Gln
85   1           5           10           15
87 Gly Glu Lys Phe Gln
88           20
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 21
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
98      VP2 and VP4 Peptides
100 <400> SEQUENCE: 5
101 Asp Lys Pro Gly Ser Lys Lys Thr Gln Gly Glu Lys Phe Phe Leu Ile
102   1           5           10           15
104 His Ser Ala Asp Gln
105           20
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108 <211> LENGTH: 21
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
114      VP2 and VP4 Peptides
116 <400> SEQUENCE: 6
117 Leu Tyr Asn Glu Gln Phe Ala Val Gln Gly Leu Leu Arg Tyr His Thr
118   1           5           10           15
120 Tyr Ala Arg Phe Gln
121           20
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130      VP2 and VP4 Peptides

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132 <400> SEQUENCE: 7
133 His Thr Tyr Ala Arg Phe Gly Ile Glu Ile Gln Val Gln Ile Asn Pro
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136 Thr Pro Phe Gln
137           20
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142 <212> TYPE: PRT
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145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
147     VP2 and VP4 Peptides
149 <400> SEQUENCE: 8
150 Ile Asn Pro Thr Pro Phe Gln Gln Gly Gly Leu Ile Cys Ala Met Val
151   1           5           10           15
153 Pro Gly Asp Gln
154           20
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159 <212> TYPE: PRT
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162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
164     VP2 and VP4 Peptides
166 <400> SEQUENCE: 9
167 His Phe Lys Asp Pro Gln Tyr Pro Val Trp Glu Leu Thr Ile Arg Val
168   1           5           10           15
170 Trp Ser Glu Leu Gln
171           20
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181     VP2 and VP4 Peptides
185 <400> SEQUENCE: 10
186 Asn Ile Gly Thr Gly Thr Ser Ala Tyr Thr Ser Leu Asn Val Leu Ala
187   1           5           10           15
189 Arg Phe Thr Asp Gln
190           20
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198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
200     VP3 Peptide
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203 Ser Asp Pro Ser Gln Gly Gly Gly Ile Lys Ile Thr His Phe Thr Thr
 204 1 5 10 15
 206 Trp Thr Ser Ile Gln
 207 20
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 220 Gly Gly Ile Lys Ile Thr His Phe Thr Thr Trp Thr Ser Ile Pro Thr
 221 1 5 10 15
 223 Leu Ala Ala Gln
 224 20
 227 <210> SEQ ID NO: 13
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 232 <220> FEATURE:
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 234 VP3 Peptide
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 237 Gln Phe Pro Phe Asn Ala Ser Asp Ser Val Gly Gln Gln Ile Lys Val
 238 1 5 10 15
 240 Ile Pro Val Asp Gln
 241 20
 245 <210> SEQ ID NO: 14
 246 <211> LENGTH: 21
 247 <212> TYPE: PRT
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 251 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
 252 VP3 Peptide
 254 <400> SEQUENCE: 14
 255 Phe Asn Ala Ser Asp Ser Val Gly Gln Gln Ile Lys Val Ile Pro Val
 256 1 5 10 15
 258 Asp Pro Tyr Phe Gln
 259 20
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 263 <211> LENGTH: 21
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 267 <220> FEATURE:
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 269 VP3 Peptide
 273 <400> SEQUENCE: 15
 274 Ser Asp Ser Val Gly Gln Gln Ile Lys Val Ile Pro Val Asp Pro Tyr

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275      1              5              10              15
277 Phe Phe Gln Met Gln
278              20
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286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
288      VP3 Peptide
290 <400> SEQUENCE: 16
291 Ile Lys Val Ile Pro Val Asp Pro Tyr Phe Phe Gln Met Thr Asn Thr
292      1              5              10              15
294 Asn Pro Asp Gln Gln
295              20
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304      VP3 Peptide
307 <400> SEQUENCE: 17
308 Lys Cys Ile Thr Ala Leu Ala Ser Ile Cys Gln Met Phe Cys Phe Trp
309      1              5              10              15
311 Arg Gly Asp Leu Gln
312              20
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317 <211> LENGTH: 21
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319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV
323      VP3 Peptide
325 <400> SEQUENCE: 18
326 Phe Trp Arg Gly Asp Leu Val Phe Asp Phe Gln Val Phe Pro Thr Lys
327      1              5              10              15
329 Tyr His Ser Gly Gln
330              20
333 <210> SEQ ID NO: 19
334 <211> LENGTH: 21
335 <212> TYPE: PRT
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338 <220> FEATURE:
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340      VP3 Peptide
342 <400> SEQUENCE: 19
343 Phe Asp Phe Gln Val Phe Pro Thr Lys Tyr His Ser Gly Arg Leu Leu
344      1              5              10              15

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VERIFICATION SUMMARY

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L:4 M:280 W: Numeric Identifier already exists, <110> found multiple times

L:302 M:283 W: Missing Blank Line separator, <220> field identifier